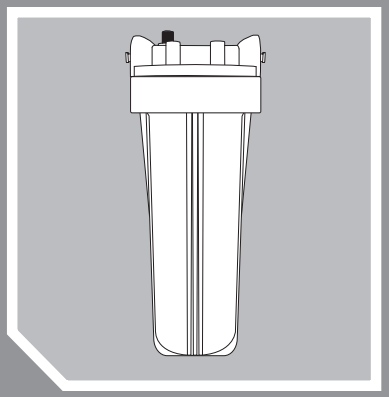
DUPONT®

Water Filtration



H2O™

Installation Instructions

Universal Drinking Water Filters

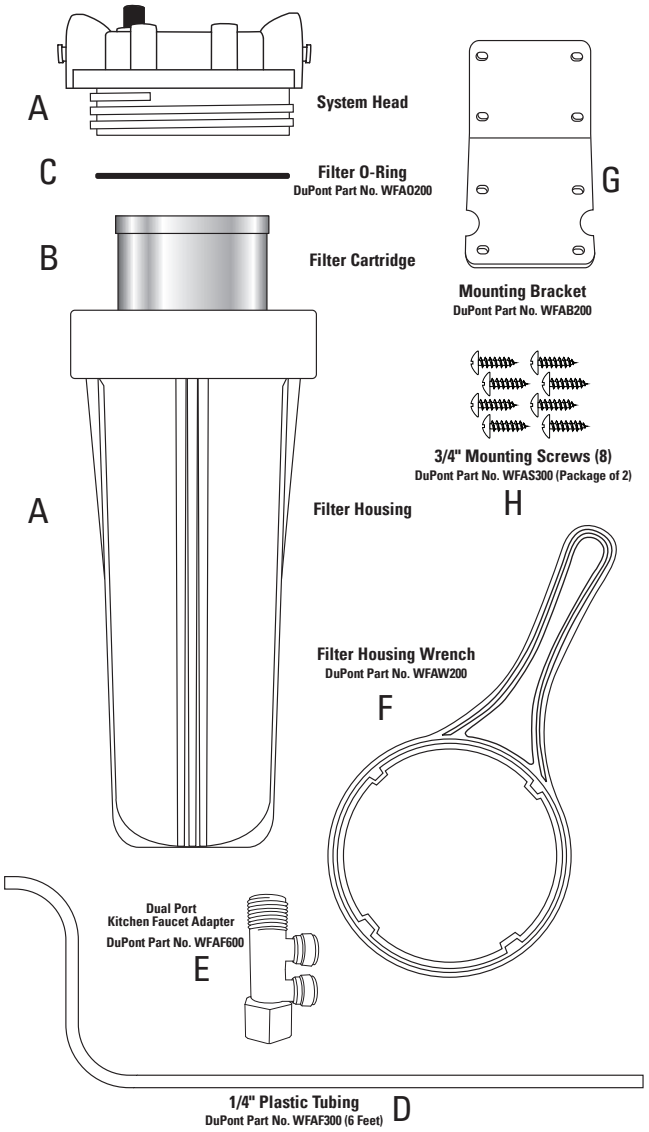
Model Series WFDW12000 & WFDW13000
Serie del modelo WFDW12000 & WFDW13000

Instrucciones de instalación
Sistema universal de filtrado de agua potable

DUPONT *The miracles of science™*

V4.2

Package Contents



Note: Filter Cartridge included with system but not shown here.

Installation Instructions

Universal Drinking Water Filtration System

Parts & Hardware Included

- A Filter System (System Head with Filter Housing)
- B Filter Cartridge (varies with system purchased)
- C Filter O-Ring
- D 1/4" Plastic Tubing
- E Direct Connect Kitchen Faucet Adapter
- F Filter Housing Wrench
- G Mounting Bracket
- H Mounting Screws (8)

Tools & Materials Required

- Phillips Screwdriver
- Tape Measure
- Drill with 1/8" Drill Bit
- Pencil
- Safety Glasses
- Silicone Grease
- Pan or Bucket

Optional Materials

- Hollow-Wall Anchor Bolts or Toggle Bolts
- Plumber's Tape
- Faucet for Filtered Water* (DuPont Part No. WFFT110)
- Kitchen Faucet Adapter
- Drill with 1/4" & 9/16" or 5/8" Drill Bits
- Pipe Cutter or Hacksaw

*The DuPont™ WFFT110 Faucet for Filtered Water is highly recommended for use with this Filter System. See Page 6.

Information & Assistance

866-709-2086 Toll Free
For Service Requests & Product Information
Hours of Operation: 24 Hours/Day, 7 Days/Week

800-441-7515
For Safety & Health Questions

Installation Video
www.waterfiltration.dupont.com

Protect Plus, LLC ■ Hickory, NC 28601 USA

For installations in Massachusetts, the Commonwealth of Massachusetts Plumbing Code CMR248 shall be adhered to.

Proper Installation

Please read all instructions, specifications, and precautions before installing and using your water filter system.

NOTICE

This filter must be protected from freezing, which can cause cracking of the filter and water leakage.

NOTICE

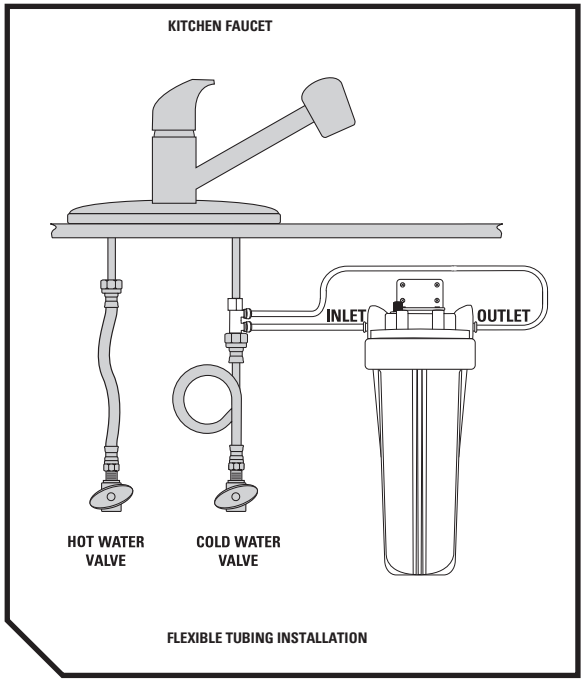
Because of the product's limited service life and to prevent costly repairs or possible water damage, we strongly recommend that the housing be replaced every five years. If the head of the filter has been in use for longer than this period, it should be replaced immediately. Date the top of any new head to indicate the next recommended replacement date.

Precautions:
For cold water use only.

After prolonged periods of non-use (such as during a vacation), it is recommended that the system be flushed thoroughly. Let water run for 10 minutes before using.

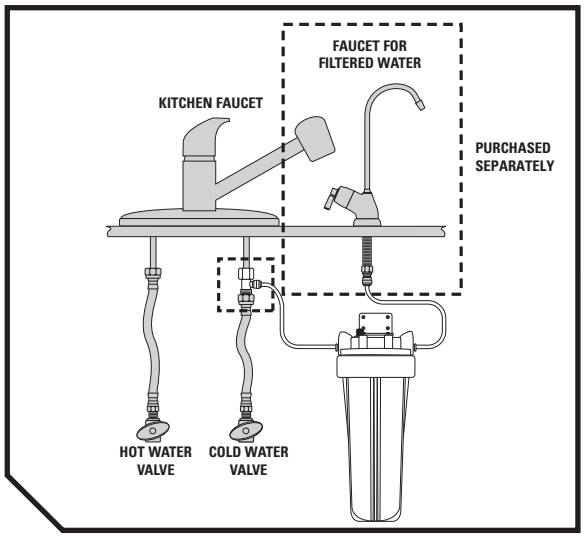
The filter cartridges used with this Filter System have a limited service life. Changes in taste, odor, and/or flow of the water being filtered indicate that the cartridge should be replaced.

This filter system provides stated contaminant reduction and capacity claims when used with an auxiliary faucet.



Before You Begin

- Check under the sink to locate a solid wall surface to mount the Filter System.
  NOTE: The Filter System must be mounted in a vertical position.
- Determine if the Filter System will be used to filter water through the existing kitchen faucet (page 3) or through auxiliary faucet (page 6) for filtered water.
- Locate the cold water pipe under your sink and observe if it is a flexible hose or a rigid pipe (ex: plastic, metal, copper). Rigid pipes may require cutting in order to make adequate space to install the fittings. Also determine if you have all appropriate fasteners and adaptors to fit your plumbing.
- Consult your local plumbing codes and install accordingly.



Installing Filter System to Your Kitchen Faucet

Note: Final filters reduce water flow. If you wish to maintain unfiltered water flow for dishwashing, etc., we recommend installing a seperate Faucet for Filtered Water (DuPont WFFT100 Series).

STEP 1

Turn Off the Main Water Supply Line

1 Locate the cold water shut-off valve under the sink. Turn off the cold water supply to the existing kitchen sink.

NOTE: If uncertain about which line supplies the cold water, turn on the hot water to the faucet. Allow the water to heat up and carefully feel the pipes under the sink. The pipe that remains cool to the touch is the cold water supply.

2 Turn on the cold water faucet on the kitchen sink to release pressure and allow water to completely drain from the line.

STEP 2

Install Bracket and Mount the System Head

NOTE: Mount the Filter System to a solid cabinet wall or wall. If a solid surface is not available, use hollow-wall anchor bolts or toggle bolts (not included) to secure to the wall.

1 Position the Mounting Bracket H on top of the System Head A, aligning the four Mounting Bracket holes with the holes in the System Head. Screw the Mounting Bracket securely onto the System Head using the four Mounting Screws I provided.

2 Choose an easy-to-access area under the sink to mount the Filter System.

NOTE: To allow adequate space for filter cartridge changes, allow a minimum clearance of 4" to 6" below the Filter Housing. The Filter System must be mounted in a vertical position.

3 Using the Mounting Bracket as a template, mark the holes for positioning the Mounting Bracket on the wall surface.

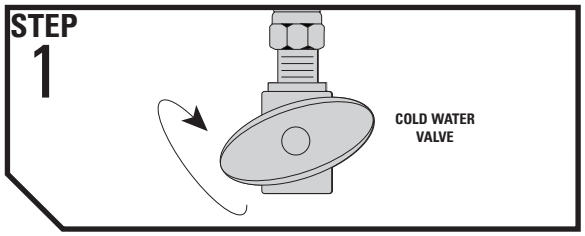
4 Using a 1/8" drill bit, drill four pilot holes in the wall surface for the Mounting Screws. Insert Mounting Screws through the Mounting Bracket and into the wall surface. Tighten until secure.

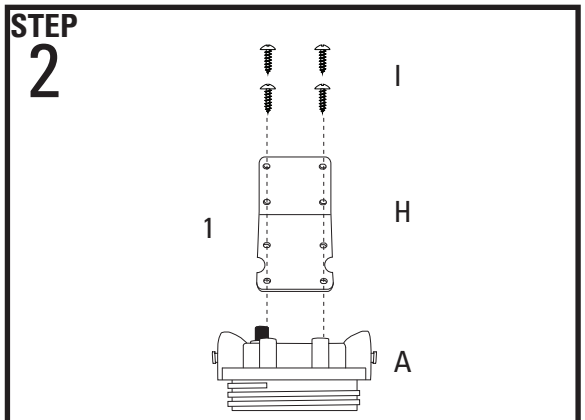
⚠ WARNING

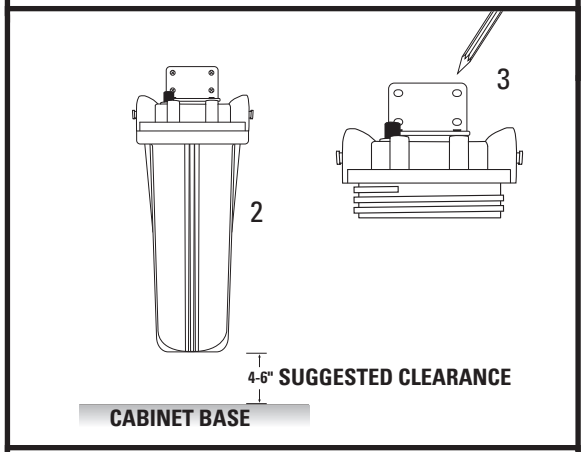
Be sure that all electrical appliances and outlets are turned off at the circuit breaker before working in cabinet area.

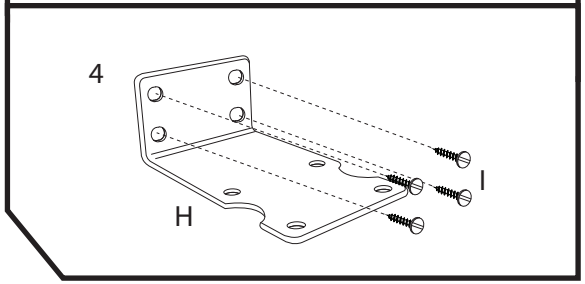
⚠ CAUTION

Please wear safety glasses to protect eyes when drilling.









STEP 3
Connect Water Lines

FOR RIGID TUBING:

1 Disconnect the top of the cold water plumbing line from the faucet shank and gently bend the plumbing line for access to the lower line fitting.

2 Screw the Kitchen Faucet Adapter E onto the lower end of the faucet shank.

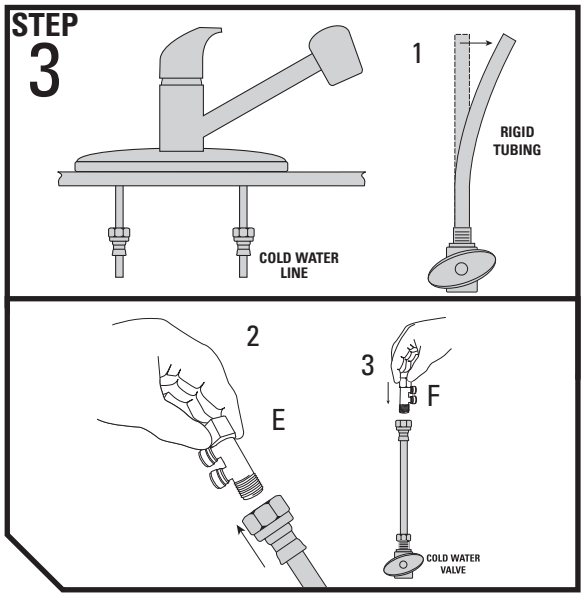
3 Screw the Kitchen Faucet Adapter E onto the upper end of the cold water line.

FOR FLEXIBLE TUBING:

1 Disconnect the top of the cold water plumbing line from the faucet shank.

2 Screw the Kitchen Faucet Adapter E onto the lower end of faucet shank.

3 Screw the Kitchen Faucet Adapter E onto the upper end of the cold water line.



STEP 4
Connect the 1/4" Plastic Tubing

FROM SYSTEM HEAD INLET TO KITCHEN FAUCET ADAPTER INLET PORT:

1 Determine the length of 1/4" Plastic Tubing D that will be necessary to connect the System Head Inlet to the Kitchen Faucet Adapter at the shut-off valve. Make sure to allow enough 1/4" Plastic Tubing to prevent kinking in the line.

2 Cut the 1/4" Plastic Tubing squarely on both ends.

3 Wet one end of the 1/4" Plastic Tubing with water and push it into the System Head Inlet until it stops.

NOTE: Do not bend or crimp 1/4" Plastic Tubing when inserting.

4 Wet the other end of the 1/4" Plastic Tubing with water and push it into the Kitchen Faucet Adapter Inlet Port A until it stops.

NOTE: Do not bend or crimp 1/4" Plastic Tubing when inserting.

FROM SYSTEM HEAD OUTLET TO KITCHEN FAUCET ADAPTER OUTLET PORT:

5 Determine the length of 1/4" Plastic Tubing D that will be necessary to connect the System Head Outlet to the Kitchen Faucet Adapter on the lower end of the plumbing line. Make sure to allow enough 1/4" Plastic Tubing to prevent kinking in the line.

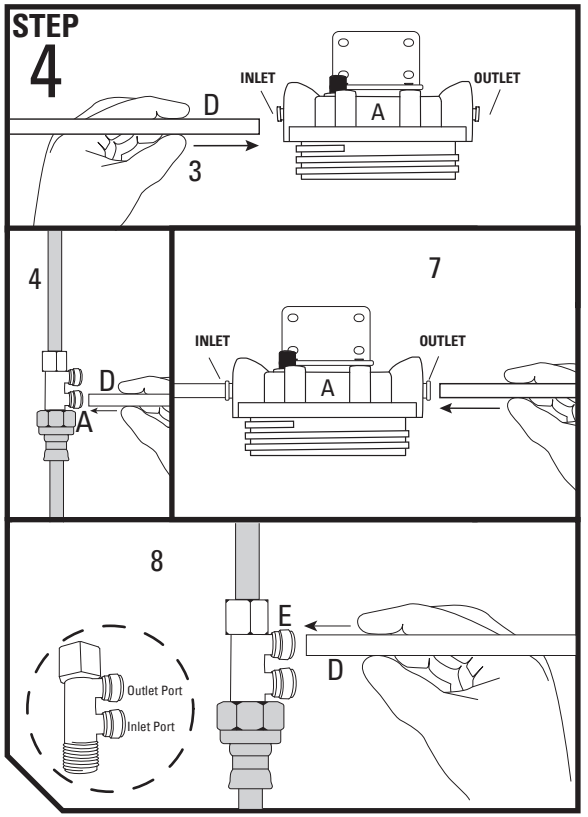
6 Cut the 1/4" Plastic Tubing squarely on both ends.

7 Wet one end of the 1/4" Plastic Tubing with water and push it into the System Head Outlet until it stops.

NOTE: Do not bend or crimp 1/4" Plastic Tubing when inserting.

8 Wet the other end of the 1/4" Plastic Tubing with water and push it into the Kitchen Faucet Adapter Outlet Port until it stops.

NOTE: Do not bend or crimp 1/4" Plastic Tubing when inserting.



STEP 5

Install the Filter and Test the Filter System for Proper Operation

1 Insert the new Filter Cartridge over the standpipe in the bottom of the Filter Housing.

2 Screw the Filter Housing back onto the System Head and hand-tighten. Using the Filter Housing Wrench, tighten 1/4 turn.

NOTE: Do not over tighten.

3 Check for any leaks before proceeding.

4 Turn on the cold water shut-off valve and turn on the faucet. Flush the system for 10 minutes.

5 Slowly turn on the cold water shut-off valve underneath the sink.

6 Turn on the kitchen faucet. In order for the Filter System to flush the Filter Cartridge, allow the water to run for approximately 10 minutes.

7 Check for any leaks between the System Head and Filter Housing of the Filter System, and on the inlet and outlet connections.

If there are leaks between the System Head and Filter Housing of the Filter System:

- Turn off the cold water shut-off valve underneath the sink.
- Turn on the kitchen faucet to release pressure and allow water to completely drain from the line.
- Unscrew and remove the Filter Housing from the System Head using the Filter Housing Wrench F .

  NOTE: Use a pan or bucket to catch any water in the housing.
- Remove the Filter O-Ring C and inspect. Clean and lubricate with silicone grease.
- Clean the grooves in the top of the Filter Housing where the Filter O-Ring sits.
- Place the clean, lubricated Filter O-Ring back in the groove.
- Screw the Filter Housing back onto the System Head and hand-tighten. Using the Filter Housing Wrench, tighten 1/4 turn.
- Turn on the cold water shut-off valve underneath the sink. Turn on the kitchen faucet. Inspect for leaks.

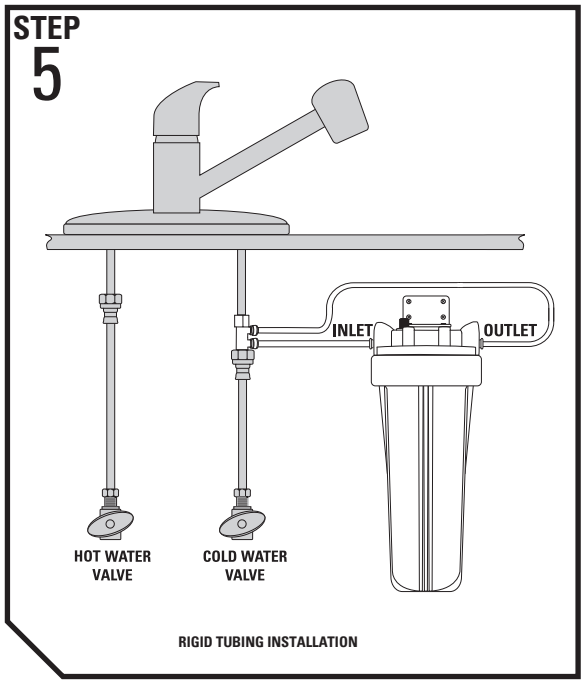
If there are leaks between the fittings and shut-off valve, flexible tubing or rigid tubing:

- Turn off the cold water shut-off valve underneath the sink.
- Turn on the kitchen faucet to release pressure and allow water to completely drain from the line.
- Tighten all fittings securely.
- Turn on the cold water shut-off valve underneath the sink. Turn on the kitchen faucet. Inspect for leaks.
- If leaks continue, disconnect all fittings and add plumber's tape to threads and retighten.

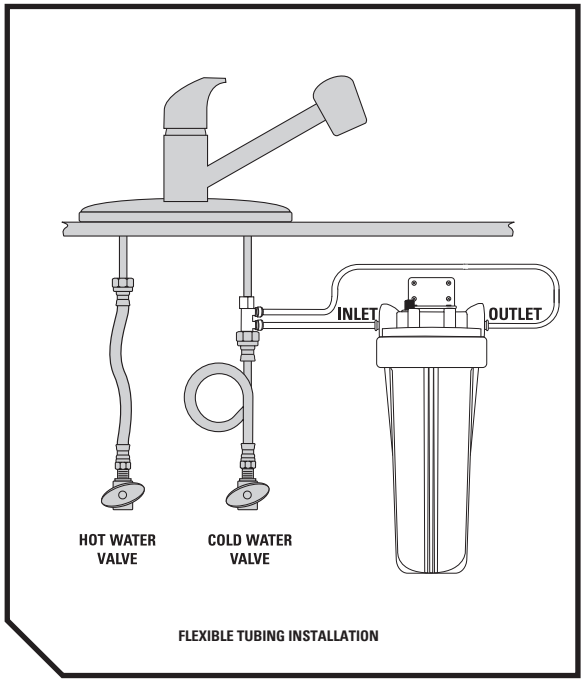
If there are leaks between the System Head and the 1/4" Plastic Tubing:

- Turn off the cold water shut-off valve underneath the sink.
- Turn on the kitchen faucet to release pressure and allow water to completely drain from the line.
- Disconnect the 1/4" Plastic Tubing from the System Head Inlet and System Head Outlet.
- Check the 1/4" Plastic Tubing to see if it is cut squarely. If not, re-cut the ends squarely.
- Wet the ends of the 1/4" Plastic Tubing with water and re-insert into the System Head Inlet and System Head Outlet.
- Turn on the cold water shut-off valve underneath the sink. Turn on the kitchen faucet. Inspect for leaks.

- If leaks continue, turn off the water supply and call Customer Service.



RIGID TUBING INSTALLATION



FLEXIBLE TUBING INSTALLATION

Installing Filter System to Auxiliary Faucet:

NOTE: Installing a seperate Faucet for Filtered Water (DuPont WFFT100 Series) optimizes filter life and provides contaminant reduction.

STEP 1

Mount the Faucet for Filtered Water (Not Included)

NOTE: Most standard sinks come with 1-3/8" or 1-1/2" diameter water sprayer holes that can be used for mounting the Faucet. If the pre-drilled holes cannot be used or are not in the desired position, a new hole must be drilled using either a 9/16" or 5/8" drill bit to accommodate the Faucet. The Faucet for Filtered Water base should be positioned securely on a flat surface with adequate space for proper function. Consider convenience and appearance of the faucet before installation.

⚠ CAUTION

Safety glasses and a respirator are recommended for this process, as it may produce dust that can cause severe irritation if it is inhaled or comes in contact with eyes.

NOTICE

DO NOT DRILL THROUGH AN ALL-PORCELAIN OR CAST IRON SINK. If installing on an all-porcelain or cast iron sink, the faucet must be mounted in a pre-drilled sprayer hole or through the countertop next to the sink. If the countertop must be drilled, make certain that the area below the drilling location is free of wiring and pipes. Also, make sure that there is sufficient room to make the proper connections to the bottom of the faucet mount. DO NOT DRILL THROUGH COUNTER TOPS MORE THAN 1" IN THICKNESS OR COUNTER TOPS MADE OF TILE, MARBLE, GRANITE, OR SIMILAR SUBSTANCE. Consult with a plumber or counter top manufacturer for assistance.

IF YOUR SINK DOES NOT HAVE A WATER SPRAYER HOLE, GO TO 1 . IF YOUR SINK DOES HAVE A WATER SPRAYER HOLE, GO TO 4 .

1 In order to prevent parts and materials from falling down the drain, line the sink with newspaper or a towel.

2 Apply masking tape to the area to be drilled in order to prevent scratching the sink surface or countertop if the drill bit slips during operation.

3 Using a center punch, mark the drill hole. Use the 1/4" drill bit to make a pilot hole. Then use the 9/16" or 5/8" drill bit to drill the final hole. Drill completely through the sink or countertop and smooth the rough edges with a file.

4 Mount the faucet for filtered water according to the installation instructions that came with the faucet you purchased.

STEP 2

Install the Kitchen Faucet Adapter (Not Included)

NOTE: Our DuPont™ WFFT100 Series Faucets for Filtered Water come with a Kitchen Faucet Adapter.

1 Locate the cold water shut-off valve underneath the sink. Turn off the cold water supply to the kitchen faucet.

NOTE: If uncertain about which line supplies the cold water, turn on the hot water to the faucet. Allow the water to heat up and carefully feel the pipes under the sink. The pipe that remains cool to the touch is the cold water supply.

2 Turn on the cold water on the kitchen sink to release pressure and allow water to completely drain from the line.

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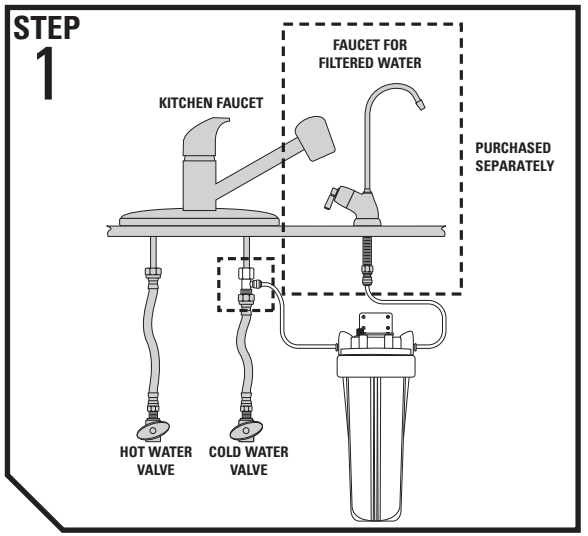
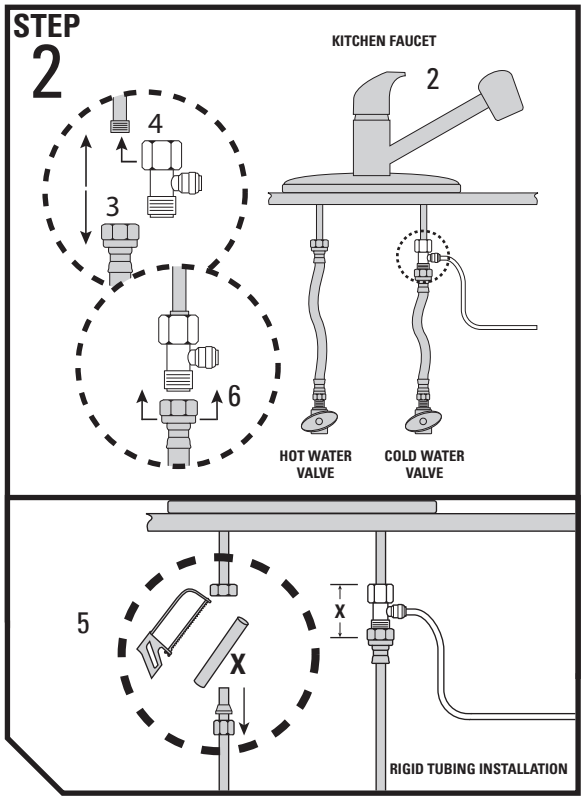




STEP 2
Install the Kitchen Faucet Adapter (Not Included) (continued)

3 Disconnect the cold water line from the 1/2" threaded stub on the bottom of the kitchen faucet.

4 Connect the kitchen faucet adapter to the kitchen faucet stub.

5 If you have a rigid plumbing pipe, it may be necessary to shorten the pipe. Remove any burrs with a metal file.

⚠ WARNING

Be sure that all electrical appliances and outlets are turned off at the circuit breaker before working in cabinet area.

⚠ CAUTION

Please wear safety glasses to protect eyes when drilling.

6 Connect the cold water supply line to the kitchen faucet adapter securely.

STEP 3
Connect Water Lines

1 Determine the length of 1/4" Plastic Tubing D that will be necessary to connect the System Head Inlet to the kitchen faucet adapter. Make sure to allow enough tubing to prevent kinking in the line.

2 Cut the tube squarely on both ends.

3 Wet one end of the 1/4" Plastic Tubing with water and push it into the kitchen faucet adapter approximately 5/8" until it stops.

NOTE: Do not bend or crimp 1/4" Plastic Tubing when inserting.

4 Wet the other end of the 1/4" Plastic Tubing with water and push it into the System Head Inlet approximately 5/8" until it stops.

5 Determine the length of 1/4" Plastic Tubing that will be necessary to connect the System Head Outlet to the threaded faucet for filtered water. Make sure to allow enough tubing to prevent kinking in the line.

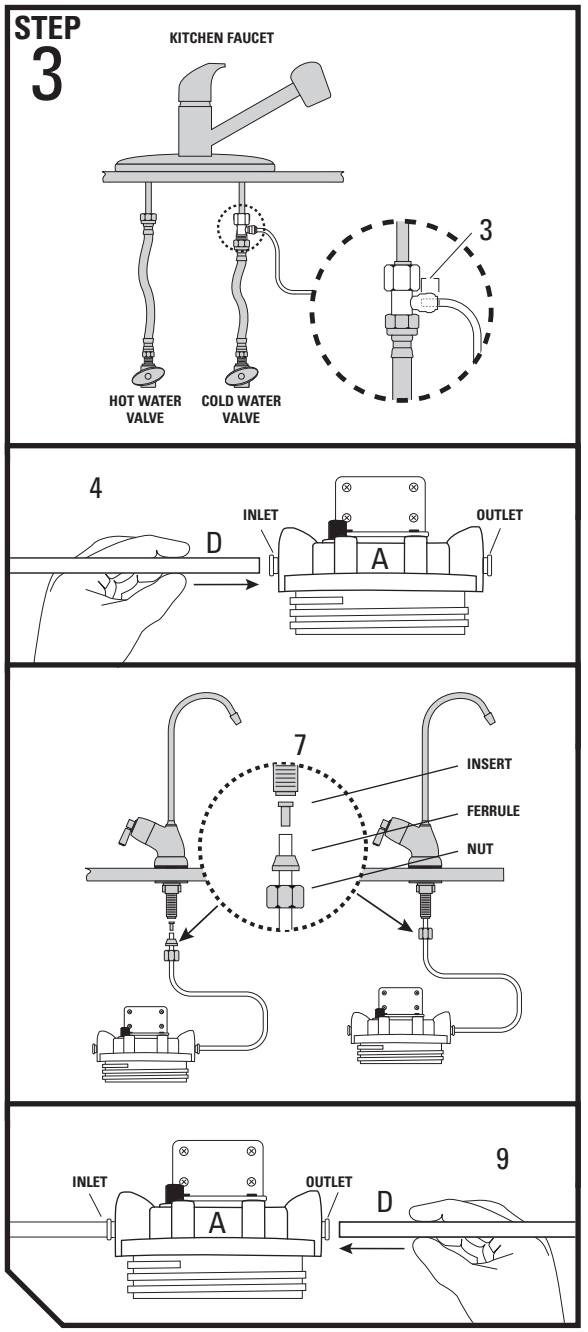
6 Cut the tube squarely on both ends.

7 Gently slide the plastic compression nut down (thread side up) over the 1/4" Plastic Tubing. Follow with the plastic ferrule, making sure that the ferrule is in the proper position with the larger opening on the bottom (going into the nut). Place the plastic insert into the end of the 1/4" Plastic Tubing.

8 Firmly push the 1/4" Plastic Tubing into the end of the threaded faucet stem. Hand-tighten the plastic compression nut onto the threads. Tighten with an adjustable wrench approximately 1/2 turn.

NOTE: Do not bend or crimp 1/4" Plastic Tubing when inserting. Do not over tighten the compression nut.

9 Wet the other end of the 1/4" Plastic Tubing with water and push it into the System Head Outlet approximately 5/8" until it stops.



STEP 4

Install the Filter and Test the Filter System for Proper Operation

1 Insert the new Filter Cartridge over the standpipe in the bottom of the Filter Housing.

2 Screw the Filter Housing back onto the System Head and hand-tighten. Using the Filter Housing Wrench, tighten 1/4 turn.
NOTE: Do not over tighten.

3 Check for any leaks before proceeding.

4 Turn on the cold water shut-off valve and turn on the faucet. Flush the system for 10 minutes.

5 Turn on the cold water shut-off valve underneath the sink.

6 Turn on the new faucet for filtered water. In order for the Filter System to flush the Filter Cartridge, allow the water to run for approximately 10 minutes.

7 Check for any leaks between the System Head assembly and cartridge; around all fittings; on kitchen faucet adapter connection; and on faucet/tubing connection.

If there are leaks between the top of the kitchen faucet adapter and the kitchen faucet stem:

- Turn off the cold water shut-off valve underneath the sink.
- Turn on the faucet for filtered water to release pressure and allow water to completely drain from the line.
- Tighten the connection between the kitchen faucet adapter and the kitchen faucet stem.
- If leaks continue, remove the kitchen faucet adapter from the kitchen faucet stem and wrap the kitchen faucet adapter and the kitchen faucet stem with Teflon® tape and re-install.
- Turn on the cold water shut-off valve underneath the sink. Turn on the faucet for filtered water. Inspect for leaks.

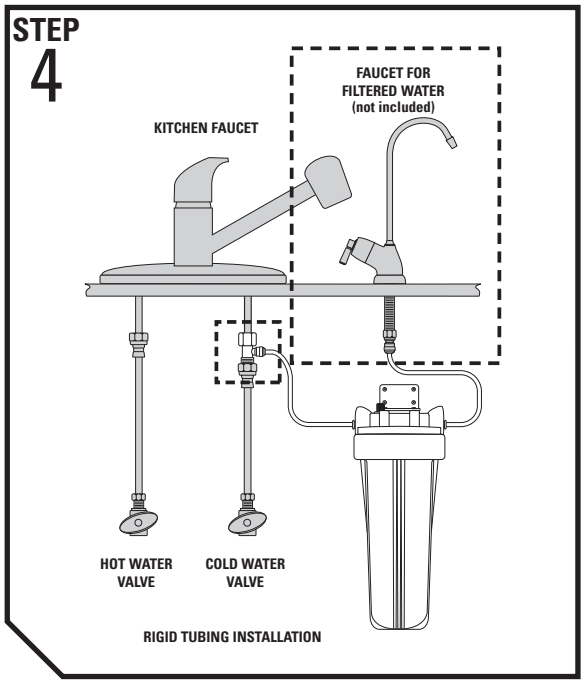
If there are leaks between the bottom of the kitchen faucet adapter and the cold water supply line:

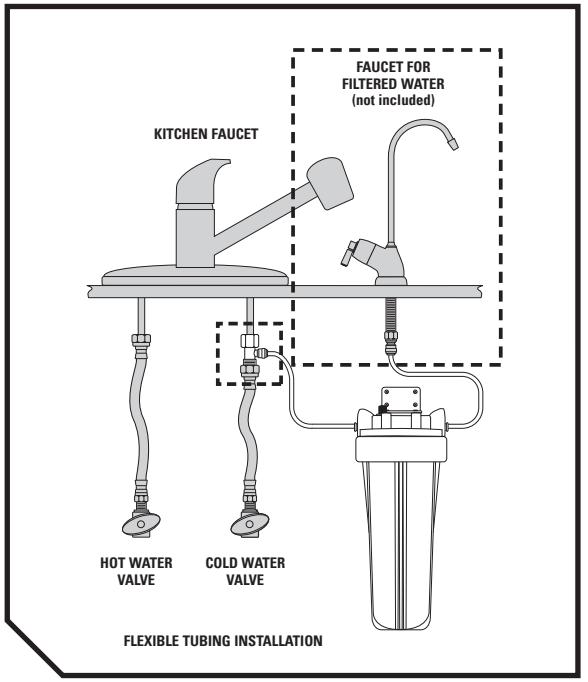
- Turn off the cold water shut-off valve underneath the sink.
- Turn on the faucet for filtered water to release pressure and allow water to completely drain from the line.
- Tighten the connection between the kitchen faucet adapter and the cold water supply line.
- If leaks continue, remove the kitchen faucet adapter from the cold water supply line and wrap the kitchen faucet adapter and the cold water supply line with plumber's tape and re-install.
- Turn on the cold water shut-off valve underneath the sink. Turn on the faucet for filtered water. Inspect for leaks.

If there are leaks between the System Head and the 1/4" Plastic Tubing:

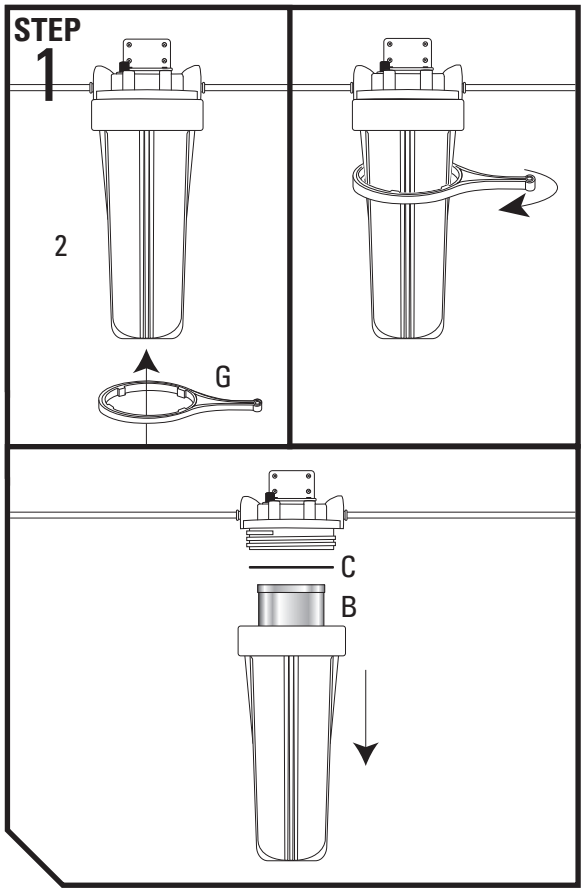
- Turn off the cold water shut-off valve underneath the sink.
- Turn on the faucet for filtered water to release pressure and allow water to completely drain from the line.
- Disconnect the 1/4" Plastic Tubing from the System Head Inlet and System Head Outlet.
- Check the 1/4" Plastic Tubing to see if it is cut squarely. If not, re-cut the ends squarely.
- Wet the ends of the 1/4" Plastic Tubing with water and re-insert into the System Head Inlet and System Head Outlet.

- If leaks continue, turn off the water supply and call Customer Service.





Filter Cartridge Replacement



STEP 1 Remove the Used Filter Cartridge

1 Turn off the cold water supply to the existing kitchen sink.

NOTE: If uncertain about which line supplies the cold water, turn on the hot water to the faucet. Allow the water to heat up and carefully feel the pipes under the sink. The pipe that remains cool to the touch is the cold water supply.

2 Turn on the cold water faucet on the kitchen sink to release pressure and allow water to completely drain from the line.

3 Use the Filter Housing Wrench G to unscrew the housing.

NOTE: Use a pan or bucket to catch any water in the housing.

4 Pour out the water in the Filter Housing and remove the used Filter Cartridge B .

STEP 2 Clean the Filter System

NOTE: Have a pan or bucket handy to rinse out the Filter Housing.

1 Rinse out the bottom of the Filter Housing.

2 Wash the Filter Housing with mild soap and water. Do not use harsh cleansers or hot water.

3 Rinse the Filter Housing with clean water to remove all bleach.

4 Remove the Filter O-Ring C in the top of the Filter Housing and wipe clean.

5 Use silicone grease (food grade) to lubricate the Filter O-Ring.

6 Place the Filter O-Ring back in the grooves of the Filter Housing.

NOTE: Make sure that the O-Ring is seated properly in the groove to ensure a good seal.

STEP 3 Add New Filter Cartridge and Test System

1 Insert the new Filter Cartridge over the standpipe in the bottom of the Filter Housing.

2 Screw the Filter Housing back onto the System Head and hand-tighten. Using the Filter Housing Wrench, tighten 1/4 turn.

NOTE: Do not over tighten.

3 Check for any leaks before proceeding.

4 Turn on the cold water shut-off valve and turn on the faucet. Flush the system for 10 minutes.

Replacement Cartridges

DuPont™ Universal Drinking Water Filtration System WFDW12000 & WFDW13000 Series

Usage and quality of water in your incoming water line affect the life of filter cartridges and determine when the cartridge should be changed. Cartridges should be replaced sooner if water pressure at the faucet begins to drop noticeably or if the filter fails to perform satisfactorily.

A filter cartridge's stated reduction capacity is tied to the cartridge's performance within a specific filtration system for which is it has been tested and certified. Please see the Performance Data Sheet for the certified performance of specific systems with stated cartridges.

System Certification	Cartridge Model Numbers
Universal Drinking Water Filtration System WFDW12000 & WFDW13000 Series	WFDWC20001, WFDWC30001, WFDWC40001 WFDWC50001, WFDWC70001

⚠ CAUTION

- These filters are not water purifiers. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for Cyst reduction may be used on disinfected waters that may contain filterable Cysts.
- This unit is not designed to filter sulfur (rotten egg odor). Use of carbon filters to treat sulfur may intensify taste/odor problems.
- Please comply with all state and local regulations regarding the installation of water treatment devices.
- The contaminants or other substances reduced by the water filter device are not necessarily in your water.

Operation/Maintenance Data

These units are intended for non-commercial use. They should be used only in ambient air temperature of between 35 degrees F / 2 degrees C and 100 degrees F / 38 degrees C. Placement of these units in direct sunlight or use of electrical heating equipment on these units must be avoided. Replace filter cartridge when and as directed in the installation/ operation instructions included with each cartridge. Replacement filter cartridges are available at retail outlets.

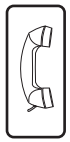
Replacement Parts

DuPont™ Universal Drinking Water Filtration System WFDW12000 & WFDW13000 Series

Part Number	Description
WFAB200	Mounting Bracket
WFAO200	O-Ring
WFAW200	Filter Housing Wrench
WFAS300	Mounting Screws (Package of 2)
WFAF600	Dual Port Kitchen Faucet Adapter

Ordering Information:

Installation Video
www.waterfiltration.dupont.com



866-709-2086 Toll Free
For Service Requests & Product Information
Hours of Operation: 24 Hours/Day, 7 Days/Week

800-441-7515
For Safety & Health Questions

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